1998–2000 Ozone and 1999–2000 Carbon Monoxide Air Quality Data Update

The following is a brief summary of EPA's 2000 air quality update for ozone and carbon monoxide nonattainment areas.

Ozone (O_3): Today's list updates ozone air quality monitoring data for the three year period, 1998–2000. During this current three year period,

- 30 of the original 98 areas designated nonattainment for the 1-hour O₃ National Ambient Air Quality Standard (NAAQS) in 1991 failed to meet the NAAQS in 1998–2000 (Table 1).
- 6 additional counties failed to meet the 1-hour O₃ NAAQS in 1998–2000 (Table 2).
- 329 counties have average annual 4th maximum 8-hour daily maximum O_3 concentrations in 1998–2000 greater than the level of the 8-hour O_3 NAAQS (Table 3).

EPA set the 1-hour O_3 standard at 0.12 parts per million (ppm) daily maximum 1-hour average concentration not to be exceeded more than once per year on average. Compliance with the 1-hour ozone standard is judged on the basis of the most recent three years of ambient air quality monitoring data. The 1-hour ozone standard is not met at a monitoring site if the average number of estimated exceedances of the ozone standard is greater than 1.0 (1.05 rounds up). The level of the 8-hour O_3 NAAQS is 0.08 ppm¹. The 8-hour O_3 standard is not met if the 3-year average of the annual 4th highest daily maximum 8-hour O_3 concentration is greater than 0.08 ppm (0.085 rounds up).

Carbon Monoxide (CO): Today's list updates CO air quality data for the two year period, 1999–2000. During this two year period,

- 2 of the original 42 areas designated nonattainment for the 8-hour CO NAAQS in 1991 failed to meet the CO NAAQS in 1998–99 (Table 4).
- 1 additional areas failed to meet the CO NAAQS in 1998–99 (Table 4).

EPA's National Ambient Air Quality Standard for carbon monoxide is 9 parts per million (ppm) non-overlapping 8-hour average concentration not to be exceeded more than once per year. The CO standard is not met at a monitoring site if there are two or more exceedances of the level of the CO NAAQS in either of the two most recent calendar years of monitoring data.

Notes:

¹ In 1997, EPA revised the national ambient air quality standards for ozone. The standards were challenged by several business and state groups who claimed that EPA misinterpreted the Clean Air Act to give itself unlimited discretion to set air standards. On February 27, 2001, the U.S. Supreme Court unanimously upheld the constitutionality of the Clean Air Act as EPA had interpreted it in setting those health-protective air quality standards. The Supreme Court also reaffirmed EPA's long-standing interpretation that it must set those standards based solely on public health considerations with consideration of costs. The case is now back in the U.S. Court of Appeals to decide issues not addressed in their initial opinion. Updates on this action can be found at http://www.epa.gov/airlinks.

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Table 1. Areas designated nonattainment in 1991 $^{\scriptscriptstyle{(1)}}$ that fail to meet 1-hr ozone NAAQS in 1998–00

| State | Designated Area | O ₃ Design Value ⁽²⁾ (ppm) | Avg. Expected Exceedance Rate ⁽³⁾ |
|-------|--|--|---|
| | | 1998-2000 | 1998-2000 |
| GA | Atlanta | 0.157 | 10.6 |
| MD | Baltimore | 0.145 | 2.5 |
| LA | Baton Rouge | 0.135 | 2.1 |
| AL | Birmingham | 0.137 | 2.4 |
| NC | Charlotte-Gastonia (4) | 0.132 | 2.0 |
| TX | Dallas-Fort Worth | 0.131 | 1.3 |
| CT | Greater Connecticut | 0.145 | 2.0 |
| TX | Houston-Galveston-Brazoria | 0.199 | 10.2 |
| WV | Huntington-Ashland (4) | 0.127 | 2.0 |
| IL | Jersey Co. (4) | 0.125 | 1.3 |
| MD | Kent County and Queen Anne's Co. | 0.128 | 1.7 |
| TN | Knoxville (4) | 0.138 | 4.0 |
| LA | Lake Charles (4) | 0.127 | 1.7 |
| CA | Los Angeles South Coast Air Basin | 0.211 | 35.4 |
| TN | Memphis (4) | 0.128 | 2.0 |
| WI | Milwaukee-Racine | 0.126 | 1.3 |
| TN | Nashville (4) | 0.126 | 1.4 |
| NY | New York-N. New Jersey-Long Island, NY-NJ-CT | 0.140 | 2.7 |
| PA | Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD | 0.147 | 3.0 |
| NC | Raleigh-Durham ⁽⁴⁾ | 0.127 | 1.4 |
| VA | Richmond -Petersburg (4) | 0.127 | 2.0 |
| CA | Sacramento Metro | 0.148 | 5.3 |
| CA | San Diego | 0.131 | 2.7 |
| CA | San Francisco-Bay | 0.139 | 3.4 |
| CA | San Joaquin Valley | 0.161 | 13.1 |
| WI | Sheboygan (4) | 0.130 | 1.3 |
| CA | Southeast Desert Modified AQMD | 0.164 | 7.4 |
| MO | St. Louis | 0.127 | 2.0 |
| CA | Ventura Co | 0.132 | 2.3 |
| DC | Washington, DC | 0.128 | 2.7 |

- 1. Designations and classifications for ozone nonattainment areas as published in the Federal Register, 40 CFR Part 81. *Unclassified and transitional nonattainment areas are not included in Table 1*.
- 2. The updated air quality design value is estimated for the 1998-2000 period using all air quality data reported to EPA's Aerometric Information Retrieval System (AIRS). The computation procedures follow EPA guidance for calculating design values (Laxton Memorandum, June 18, 1990). For sites with three complete years of monitoring data, the air quality design value is the fourth highest daily maximum 1-hour ozone concentration, because the standard allows one exceedance per year on average. It is important to note that the 1990 Clean Air Act Amendments required that nonattainment areas be classified on the basis of the design value at the time the Amendments were passed, generally the 1987-89 period was used.
- 3. The level of the 1-hour ozone Ambient Air Quality standard is 0.12 parts per million (ppm) daily maximum 1-hour average concentration not to be exceeded more than once per year on average. The average estimated number of exceedances column shows the number of days the 0.12 ppm 1-hour ozone standard was exceeded on average at the site recording the highest updated air quality value. This computation is performed after adjustment for any missing sampling days during the 3-year period, 1998-2000.
- 4. Areas presently designated attainment for the 1-hour ozone NAAQS that fail to meet the standard in 1998-2000.
- 5. Areas to be reinstated to nonattainment for the 1-hour NAAQS that fail to meet the standard in 1998-2000.
- 6. At the publication date for this update, air quality data for Poughkeepsie, NY are still under review and evaluation. Currently, it is unclear whether or not these areas violate the 1-hour ozone NAAQS. When a final determination is made, this table will be updated.

Table 2. Additional counties failing to meet the 1-hour ozone NAAQS in 1998–00

| State | County (Area) | O ₃ Design Value ⁽¹⁾ (ppm) | Avg. Expected Exceedance Rate (2) |
|-------|---|--|--|
| | | 1998-2000 | 1998-2000 |
| CA | Amador Co. (4) (adjacent to Sacramento) | 0.126 | 1.5 |
| CA | Imperial Co. (Calexico, CA) | 0.166 | 5.7 |
| GA | Bibb Co. (Macon, GA) | 0.134 | 3.6 |
| TN | Hamilton Co. (4) (Chattanooga, TN-GA | 0.127 | 1.4 |
| TX | Ellis Co. (4) (Dallas-Fort Worth, TX) | 0.128 | 1.4 |
| TX | Gregg Co. (4) (Longview-Marshall) | 0.134 | 3.7 |

- 1. The updated air quality design value is estimated for the 1998-2000 period using all air quality data reported to EPA's Aerometric Information Retrieval System (AIRS). The computation procedures follow EPA guidance for calculating design values (Laxton Memorandum, June 18, 1990). For sites with three complete years of monitoring data, the air quality design value is the fourth highest daily maximum 1-hour ozone concentration, because the standard allows one exceedance per year on average. It is important to note that the 1990 Clean Air Act Amendments required that nonattainment areas be classified on the basis of the design value at the time the Amendments were passed, generally the 1987-89 period was used.
- 2. The level of the 1-hour ozone Ambient Air Quality standard is 0.12 parts per million (ppm) daily maximum 1-hour average concentration not to be exceeded more than once per year on average. The average estimated number of exceedances column shows the number of days the 0.12 ppm 1-hour ozone standard was exceeded on average at the site recording the highest updated air quality value. This computation is performed after adjustment for any missing sampling days during the 3-year period, 1998-2000.
- 3. Section 185a nonattainment area that fails to meet the standard in 1998-2000.
- 4. Areas presently designated attainment for the 1-hour ozone NAAQS that fail to meet the standard in 1997-99.

Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1998–00

| | _ | |
|------------|-------------------|--------------------------|
| State | County | Design Value (ppb) |
| Alabama | <i>y</i> | 41 / |
| Alabailla | Clay Co | 88 |
| | Jefferson Co | 94 |
| | Lawrence Co | 86 |
| | Madison Co | 91 |
| | Mobile Co | 90 |
| | Montgomery Co | 90 |
| | Shelby Co | 102 |
| . | Shelby Co | 102 |
| Arizona | Mariana Ca | 07 |
| | Maricopa Co | 87 |
| Arkansas | | |
| | Crittenden Co | 90 |
| | Pulaski Co | 87 |
| California | | |
| | Alameda Co | 86 |
| | Amador Co | 99 |
| | Calaveras Co | 100 |
| | El Dorado Co | 107 |
| | Fresno Co | 111 |
| | Imperial Co | 89 |
| | Kern Co | 111 |
| | Kings Co | 102 |
| | Los Angeles Co | 115 |
| | Madera Co | 90 |
| | Mariposa Co | 94 |
| | Merced Co | 106 |
| | Nevada Co | 95 |
| | Placer Co | 102 |
| | Riverside Co | 114 |
| | Sacramento Co | 105 |
| | San Bernardino Co | 146 |
| | San Diego Co | 100 |
| | San Joaquin Co | 88 |
| | Shasta Co | 93 |
| | Solano Co | 85 |
| | Stanislaus Co | 96 |
| | Sutter Co | 89 |
| | Tehama Co | 91 |
| | Tulare Co | 102 |
| | Tuolumne Co | 96 |
| | Ventura Co | 105 |
| | Yolo Co | 85 |
| Colorado | | |
| | Jefferson Co | 86 |
| | | |
| | | |
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Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| | | Design Value |
|----------------|-------------------------|-----------------|
| State | County | (ppb) |
| Connecticut | | |
| Connecticut | Fairfield Co | 96 |
| | Litchfield Co | 93 |
| | Middlesex Co | 95 |
| | New Haven Co | 96 |
| | New London Co | 87 |
| | Tolland Co | 89 |
| D 1 | Tollana Co | 0) |
| Delaware | VI.C. | 07 |
| | Kent Co | 97 |
| | New Castle Co | 97 |
| | Sussex Co | 98 |
| Dist. Columbia | | |
| | Washington | 96 |
| Florida | | |
| | Escambia Co | 94 |
| | Hillsborough Co | 86 |
| | Pinellas Co | 85 |
| Georgia | | |
| Georgia | Bibb Co | 105 |
| | Dawson Co | 89 |
| | De Kalb Co | 110 |
| | Douglas Co | 104 |
| | Fayette Co | 108 |
| | Fulton Co | 121 |
| | Gwinnett Co | 104 |
| | Muscogee Co | 93 |
| | Paulding Co | 98 |
| | Richmond Co | 93 |
| | Rockdale Co | 111 |
| | Sumter Co | 85 |
| | Illinois | Cook Co |
| T11: : - | | COOK CO |
| Illinois | Iomany Co | 01 |
| | Jersey Co Madison Co | 91 86 |
| | Madison Co | 00 |
| Indiana | A11 G | |
| | Allen Co | 90 |
| | Clark Co | 92 |
| | Floyd Co | 90 |
| | Hamilton Co | 95 |
| | Hancock Co | 91 |
| | Johnson Co | 89 |
| | Lake Co | 88 |
| | La Porte Co | 86 |
| | Madison Co | 90 |
| | Marion Co | 91 |
| | Morgan Co | 90 |

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Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| State | County | (ppb) |
|-----------|------------------------------|----------|
| | County | |
| | Perry Co | 94 |
| | Porter Co | 91 |
| | Posey Co | 91 86 |
| | St. Joseph Co | 90 |
| | Vanderburgh Co Warrick Co | 90 89 |
| TZ (1 | Warrick Co | 69 |
| Kentucky | Bell Co | 86 |
| | Boone Co | 86 |
| | Bullitt Co | 88 |
| | Carter Co | 89 |
| | Christian Co | 86 |
| | Edmonson Co | 94 |
| | Fayette Co | 85 |
| | Graves Co | 88 |
| | Greenup Co | 90 |
| | Hancock Co | 89 |
| | Henderson Co | 85 |
| Kentucky | Jefferson Co | 94 |
| | Kenton Co | 89 |
| | Livingston Co | 90 |
| | McCracken Co | 89 |
| | McLean Co | 89 |
| | Oldham Co | 96 |
| | Pulaski Co | 88 |
| | Simpson Co | 90 |
| Louisiana | | |
| | Ascension Par | 91 |
| | Bossier Par | 91 |
| | Caddo Par | 88 |
| | Calcasieu Par | 88 |
| | East Baton Rouge Par | 96 |
| | Iberville Par | 88 |
| | Jefferson Par | 90 |
| | Lafayette Par | 85 |
| | Lafourche Par | 87 |
| | Livingston Par | 91 |
| | St. Charles Par | 87 |
| | St. James Par | 85 |
| | St. John The Baptist Pa | 87 |
| | St. Mary Par | 86 |
| 3.6 : | West Baton Rouge Par | 88 |
| Maine | Hancock Co | 87 |
| | Trancock Co | 07 |

Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| State | County | Design Value (ppb) |
|---------------|--------------------|--------------------------|
| | County | (446) |
| Maryland | Anne Arundel Co | 107 |
| | Baltimore Co | 93 |
| | Calvert Co | 91 |
| | Carroll Co | 94 |
| | Cecil Co | 106 |
| | Charles Co | 101 |
| | Frederick Co | 92 |
| | Harford Co | 100 |
| | Kent Co | 101 |
| | Montgomery Co | 90 |
| | Prince George's Co | 99 |
| Massachusetts | | |
| | Barnstable Co | 89 |
| | Bristol Co | 87 |
| | Essex Co | 86 |
| | Hampden Co | 86 |
| | Hampshire Co | 87 |
| | Middlesex Co | 85 |
| | Worcester Co | 88 |
| Michigan | | |
| | Allegan Co | 89 |
| | Benzie Co | 89 |
| | Berrien Co | 88 |
| | Cass Co | 88 |
| | Genesee Co | 86 |
| | Macomb Co | 89 |
| | Mason Co | 89 |
| | Muskegon Co | 91 |
| | St. Clair Co | 87 |
| | Wayne Co | 88 |
| Mississippi | | |
| | Adams Co | 85 |
| | De Soto Co | 91 |
| | Hancock Co | 89 |
| | Jackson Co | 92 |
| | Lee Co | 88 |
| Missouri | | |
| | Cedar Co | 88 |
| | Clay Co | 89 |
| | Jefferson Co | 91 |
| | Platte Co | 85 |
| | St. Charles Co | 94 |
| | Ste. Genevieve Co | 90 |
| | St. Louis Co | 90 |
| | | |

Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| State | County | Design Value (ppb) |
|----------------|---------------------------|--------------------------|
| | County | (ppb) |
| Nevada | Clark Ca | OF. |
| | Clark Co | 85 |
| New Jersey | | 0.0 |
| | Atlantic Co | 90 |
| | Camden Co | 101 |
| | Cumberland Co | 96 |
| | Gloucester Co | 102 |
| | Hudson Co | 92 98 |
| | Hunterdon Co Mercer Co | 98 102 |
| | Middlesex Co | 102 |
| | Monmouth Co | 95 |
| | Morris Co | 95 96 |
| | Ocean Co | 107 |
| | Passaic Co | 89 |
| | 1 assaic Co | 09 |
| New York | Cl | 0.0 |
| | Chautauqua Co | 88 |
| | Dutchess Co | 87 |
| | Erie Co | 89 |
| | Niagara Co | 85 |
| | Orange Co Putnam Co | 86 89 |
| | | 88 88 |
| | Queens Co Richmond Co | 96 |
| | Suffolk Co | 96 94 |
| | Westchester Co | 94 92 |
| | Westchester Co | 92 |
| North Carolina | A1 1 C | 00 |
| | Alexander Co | 89 |
| | Buncombe Co | 88 |
| | Caldwell Co | 92 |
| | Caswell Co | 93 |
| | Chatham Co Cumberland Co | 85 93 |
| | Davie Co | 93 98 |
| | | 98 86 |
| | Duplin Co Durham Co | 91 |
| | Edgecombe Co | 89 |
| | į | 96 |
| | Forsyth Co Franklin Co | 90 |
| | Granville Co | 90 89 |
| | Guilford Co | 94 |
| | Haywood Co | 94 |
| | Johnston Co | 91 |
| | Lenoir Co | 87 |
| | Lincoln Co | 90 |
| | Mecklenburg Co | 104 |
| | Person Co | 91 |

Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| | | Design |
|--------------|--------------------------|----------------|
| State | County | Value (ppb) |
| | • | |
| | Pitt Co | 88 |
| | Rowan Co | 100 |
| | Wake Co | 98 |
| Ohio | | |
| | Allen Co | 89 |
| | Ashtabula Co | 89 |
| | Butler Co | 90 |
| | Clark Co | 93 |
| | Clermont Co | 94 |
| | Clinton Co | 99 |
| | Cuyahoga Co | 86 |
| | Delaware Co | 95 |
| | Franklin Co | 89 |
| | Geauga Co | 89 |
| | Greene Co | 89 |
| | Hamilton Co | 87 |
| | Knox Co | 91 |
| | Lake Co | 95 |
| | Lawrence Co | 92 92 |
| | Licking Co Madison Co | 93 |
| | Medina Co | 93 86 |
| | Miami Co | 87 |
| | Montgomery Co | 90 |
| | Portage Co | 93 |
| | Stark Co | 91 |
| | Summit Co | 92 |
| | Trumbull Co | 91 |
| | Warren Co | 92 |
| | Washington Co | 90 |
| Oblaha | , monnington co | 70 |
| Oklahoma | Tulas Ca | 00 |
| | Tulsa Co | 93 |
| Pennsylvania | | |
| | Allegheny Co | 96 |
| | Armstrong Co | 93 |
| | Beaver Co | 90 |
| | Berks Co | 92 |
| | Blair Co | 89 |
| | Bucks Co | 102 |
| | Cambria Co | 91 |
| | Clearfield Co | 87 |
| | Dauphin Co | 93 |
| | Delaware Co | 96 |
| | Erie Co | 90 |
| | Franklin Co | 95 |
| | Greene Co | 96 87 |
| I | Lackawanna Co | 87 |

Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| | | Design |
|----------------|--------------------------|----------|
| | | Value |
| State | County | (ppb) |
| | Lancaster Co | 97 |
| | Lehigh Co | 97 |
| | Mercer Co | 92 |
| | Montgomery Co | 102 |
| | Northampton Co | 95 |
| | Perry Co | 85 |
| | Philadelphia Co | 89 |
| | Washington Co | 94 |
| | York Co | 93 |
| Rhode Island | | |
| | Kent Co | 88 |
| | Washington Co | 85 |
| South Carolina | | |
| | Abbeville Co | 88 |
| | Aiken Co | 91 |
| | Anderson Co | 95 |
| | Barnwell Co | 90 |
| | Cherokee Co | 92 |
| | Chester Co | 88 |
| | Darlington Co | 89 |
| | Edgefield Co | 85 |
| | Oconee Co | 87 |
| | Pickens Co | 90 |
| | Richland Co | 96 |
| | Spartanburg Co | 95 |
| | York Co | 85 |
| Tennessee | | |
| Termessee | Anderson Co | 91 |
| | Blount Co | 104 |
| | Davidson Co | 91 |
| | Hamilton Co | 97 |
| | Haywood Co | 92 |
| | Jefferson Co | 101 |
| | Knox Co | 101 |
| | Lawrence Co | 89 |
| | Putnam Co | 91 |
| | Rutherford Co | 89 |
| | Sevier Co | 102 |
| | | 97 |
| | Shelby Co Sullivan Co | 94 |
| | Sumner Co | 100 |
| | Williamson Co | 93 |
| | Wilson Co | 93 89 |
| | VVIISOIT CO | 09 |
| | | |
| | | |
| | | |
| | | |

Table 3. Counties failing to meet the 8-hr ozone NAAQS, 1997–99

| | | Design Value |
|---------------------------------------|-----------------------|-----------------|
| State | County | (ppb) |
| Texas | | |
| | Bexar Co | 85 |
| | Brazoria Co | 93 |
| | Collin Co | 101 |
| | Dallas Co | 93 |
| | Denton Co | 102 |
| | Ellis Co | 97 106 |
| | Galveston Co | 106 |
| | Gregg Co Harris Co | 112 |
| | Jefferson Co | 87 |
| | Marion Co | 88 |
| | Smith Co | 91 |
| | Tarrant Co | 99 |
| | Travis Co | 88 |
| Virginia | | 00 |
| Virginia | Arlington Co | 92 |
| | Caroline Co | 88 |
| | Charles City Co | 88 |
| | Chesterfield Co | 87 |
| | Fairfax Co | 97 |
| | Fauquier Co | 86 |
| | Frederick Co | 87 |
| | Henrico Co | 91 |
| | Loudoun Co | 89 |
| | Madison Co | 93 |
| | Prince William Co | 88 |
| | Roanoke Co | 89 |
| | Stafford Co | 87 |
| | Alexandria city | 89 |
| | Hampton city | 89 |
| | Suffolk city | 87 |
| West Virginia | | |
| | Cabell Co | 94 |
| | Greenbrier Co | 89 |
| | Wood Co | 92 |
| Wisconsin | | |
| · · · · · · · · · · · · · · · · · · · | Door Co | 92 |
| | Jefferson Co | 85 |
| | Kenosha Co | 93 |
| | Kewaunee Co | 89 |
| | Manitowoc Co | 92 |
| | Milwaukee Co | 89 |
| | Ozaukee Co | 92 |
| | Racine Co | 85 |
| | Rock Co | 86 |
| | Sheboygan Co | 92 |

The level of the 8-hour ozone (O₂) National Ambient Air Quality Standard (NAAQS) is 0.08 parts per million (ppm). The air quality design value for the 8-hour O₂ NAAQS is the 3-year average of the annual 4th highest daily maximum 8-hour average O₂ concentration. The 8-hour O₃ NAAQS is not met when the 8-hour ozone design value is greater than 0.08 ppm (85 ppb rounds up).

In 1997, EPA revised the national ambient air quality standards for ozone. The standards were challenged by several business and state groups who claimed that EPA misinterpreted the Clean Air Act to give itself unlimited discretion to set air standards. On February 27, 2001, the U.S. Supreme Court unanimously upheld the constitutionality of the Clean Air Act as EPA had interpreted it in setting those health-protective air quality standards. The Supreme Court also reaffirmed EPA's long-standing interpretation that it must set those standards based solely on public health considerations with consideration of costs. The case is now back in the U.S. Court of Appeals to decide issues not addressed in their initial opinion. Updates on this action can be found at http://www.epa.gov/airlinks.

For additional information on air quality data relative to the 8-hour ozone NAAQS, refer to http://www.epa.gov/ttn/rto/areas/aqdata.htm

Table 4. Areas not meeting the 8-hour Carbon Monoxide National Ambient Air Quality Standard, 1999–2000

| | | 1999 | | 2000 | |
|---------------------------------------|-------------------------------|---------------------------------------|-------------------------|---------------------------|-------------------------|
| Metropolitan Area | 1999-2000 Design Value (1) | 2 nd Max ⁽²⁾ | # Exc ⁽³⁾ | 2nd Max ⁽²⁾ | # Exc ⁽³⁾ |
| | (ppm) | | | | |
| Designated CO nonattainment areas | | | | | |
| Fairbanks, AK | 10.3 | 10.3 | 2 | 8.9 | 1 |
| Los Angeles- Long Beach, CA | 11.1 | 11.1 | 8 | 9.9 | 2 |
| Additional areas | | | | | |
| Calexico, CA | 14.4 | 14.4 | 13 | 9.6 | 2 |
| Number of areas not meeting the NAAQS | 3 | | 3 | | 2 |

- 1. The level of the 8-hour National Ambient Air Quality Standard for carbon monoxide is 9 parts per million (ppm) not to be exceeded more than once per year. The design value for the 8-hour CO NAAQS is the highest annual second maximum non-overlapping 8-hour concentration during the most recent two years.
- 2. Annual second highest non-overlapping 8-hour average CO concentration.
- 3. Number of non-overlapping exceedances of the 8-hour CO NAAQS.

Source: U.S. EPA's Aerometric Information Retrieval System (AIRS)